Roofex®-2650PF

Elastomeric, Single component, Cold Applied, High Performance, Polyurethane based Waterproof Coating

Product Properties

- Crack Bridging Water proof coating for concrete surfaces on the basis of modified Polyurethane resin.
- Resistance to Chlorides and Sulphates and other Mild Chemicals.
- Seamless membrane with an Excellent Water Vapor Barrier Properties
- Weathering and ultra violet (UV) resistant
- Environmentally friendly, Non-Toxic and non-Flammable.
- Single component, Cold applied, Application by roller or spraying
- Easy to Repair, Hence very economic
- Suitable for Roof Garden waterproofing
- It confirms to ASTM C-836 & ASTM C-898

Areas of Application

- Waterproofing for Roof Gardening for both old and New roof
- Suitable for DPC waterproofing during new construction
- Suitable for Balcony, Terrace, Parking area, swimming pool, wet area Waterproofing.
- Suitable for Positive waterproofing for Foundation, retaining wall, Basements and other Concrete Sub-structures.
- Suitable seamless waterproof coating for water retaining structure like swage tank, Firefighting tank, utility tank, sunken areas and inverted roofs.

Application Notes

General

Roofex® 2650PF system is a single component aliphatic polyurethane based liquid applied membrane specially designed for waterproofing of concrete structures subjected to high flexibility. It is an elastic membrane forming material, hence it can provide good crack bridging up to 2mm in concrete.

Advantage

Roofex® 2650PF provides excellent water vapor Barrier for the concrete structure. **Roofex® 2650PF** forms a seamless, durable, monolithic film with suitable bonding with Concrete, Cement Concrete blocks etc. It provides excellent resistance to oxidation and resistance to root growth.

Surface Preparation

All surfaces should be cleaned thoroughly by mechanical equipment. All the unsound surface must be removed and make free from any foreign contaminations. Minor cracks honeycombs should be treated properly by **Nafuquick** readymade mortar. Any existing waterproofing work (If any) must be completely removed. Smoothen the base with mortar or **Nafuquick** readymade mortar. Algae, Fungi, moss or small vegetation if any should be cleaned thoroughly with suitable herbicides for preventing further growth. After this treatment clean the surface with jet water completely.

Priming

Requirement of Primer before application of **Roofex® 2650PF** depends on the substrate quality. If the surface is non-porous then application of Primer is not required but if the surface is porous then same **Roofex® 2650 Primer** can be used as an anti-root primer @ 5-7 sqm/liter depending on the porosity for the substrate.

Application

Roofex® 2650PF can be applied by Nylon bristle brush, Roller or squeegee Depending upon substrate. Application of Coating should be commenced on the Surface Saturated Dry condition for better workability. If the surface is Dry enough or if the surface temperature is more than 35^0C then prior to application all the surface should be moisten by help of water to bring the surface in to SSD condition.

Minimum Two coats of **Roofex® 2650PF** are recommended for achieving better waterproofing properties. During the application of 1st coat the coating should be done in "X" Direction, ensuring continuation of coating through out the surface need to be waterproofed. 2nd coat should be applied after the 1st coat will be completely dry on the "Y" Direction, Ensuring Continuation of Coating throughout the surface.

During application of **Roofex® 2650PF** in Vertical or Horizontal corner a 45-50 gsm fiber mess can be sandwiched between 1st coat and the 2nd coat.

Curing

Roofex® 2560PF is self-cure. Its curing time depends on type of substrate, Substrate / air temperature, humidity and thickness of layer. Any Insulation Layer or protective screed should be done after 48 hours of the application.

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Technical Data for Roofex® 2650PF

Characteristic	Unit	Value*	Comments
Consumption*	Gms /m^2/coat Gms /m^2/coat	250 500	**Roofex® 2650 Primer** **Roofex® 2650PF** (1.0kg/m^2 in 1mm DFT)
Solid Content	%	90 ± 2	
Drying Time	Hrs	18	@27 ^{0}C & 60% RH
Elongation at Break	%	650	As per ASTM D 412 (7 Days Curing)
Tensile strength	N/mm^2	2	As per ASTM D 412
Water Absorption	%	<0.5	
Tack Free Time	Hrs	10	@27 ^{0}C & 60% RH
UV and Ozone stability		Excellent	
Temperature resistance	^{0}C	-45 to +75	
Curing Period	Day	7	

***Coverage May Depend on Roughness, Porosity and temperature of the substrate.**

Product Characteristics for Roofex® 2650PF

Type of Product	Modified polyurethane Based elastomeric Coating
Form	Black Viscous Liquid
Cleaning Agent	Toluene/Xylene/Mineral turpentine
Colour	Gray
Shelf Life	12 months from date of Manufacture
Delivery	**Roofex® 2650PF : 20 kg**
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose off carefully to protect our Environment

Safety Advice
Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

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